

AMENDMENTS TO THE SPECIFICATION:

Page 3, please amend the paragraph beginning on line 2 as follows:

--As described in the above, although stereoselective introduction of hydroxyl group and ~~glycosidation~~ glycosylation of the hydroxyl group of nemadectin at C-13 position by chemical synthesis might be difficult to perform, as a result of extensive studies, we have succeeded in preparing C-13 ~~glycosidated~~ glycosylated nemadectin producing microorganism by means of the molecular genetic technology and obtaining efficiently nemadectin with stereoselective ~~glycosidation~~ glycosylation.--

Page 3, please amend the paragraph beginning on line 11 as follows:

--The present invention was completed based on such the knowledge. An object of the present invention is to provide a microorganism belonging to genus Streptomyces having C-13 glycosylnemadectin producing activity by the molecular genetic technology. Another object of the present invention is to provide a microorganism strain belonging to genus Streptomyces having C-13 substituted nemadectin producing activity, which can be used for obtaining effectively nemadectin with stereoselective ~~glycosidation~~ glycosylation and expected to improve the biological activity thereof.--

Page 5, please amend the paragraph beginning on line 1
as follows:

--Further, we have prepared the microorganism strain, to
which aveBI-BVIII gene group involving in ~~glycosidation~~
glycosylation of avermectin and oleandrose biosynthesis was
introduced, and prepared the C-13 glycosylnemadectin producing
microorganism strain.--

Page 5, please amend the paragraph beginning on line 18
as follows:

--The present invention relates to a method for
manufacturing C-13 glycosylnemadectin comprising culturing a
microorganism strain belonging to Streptomyces cyaneogriseus
subsp. noncyanogenus, producing and accumulating C-13
glycosylnemadectin and isolating C-13 glycosylnemadectin from the
cultured mass. Further, the present invention relates to the
microorganism strain belonging to Streptomyces cyaneogriseus
subsp. Noncyanogenus comprising gene groups of avermectin aglycon
biosynthesis of Streptomyces avermitilis and having ability to
produce C-13 hydroxylnemadectin and C-13 glycosylnemadectin.--

Page 6, please amend the paragraph beginning on line 24
as follows:

--Further, the present invention provides a method for
manufacturing C-13 ~~glycosidated~~ glycosylated nemadectin
comprising culturing a microorganism strain belonging to

Streptomyces cyaneogriseus subsp. noncyanogenus and having ability to produce C-13 ~~glycosidated~~ glycosylated nemadectin, producing and accumulating C-13 ~~glycosidated~~ glycosylated nemadectin in the cultured medium and isolating C-13 ~~glycosidated~~ glycosylated nemadectin from the cultured mass.--

Page 7, please amend the paragraph beginning on line 10 as follows:

--Further, the present invention provides a microorganism belonging to Streptomyces cyaneogriseus subsp. noncyanogenus, maintaining gene groups of avermectin aglycon biosynthesis of Streptomyces avermitilis and having ability to produce C-13 ~~glycosidated~~ glycosylated nemadectin, and a method for preparation of the microorganism.--

Page 8, please amend the paragraph beginning on line 8 as follows:

--Further, the present invention provides a microorganism strain belonging to Streptomyces cyaneogriseus subspecies noncyanogenus and having ability to form a hybrid PKS with NemA1-2 and AVES3-4, wherein the microorganism strain maintains a regulator gene aveR of avermectin biosynthesis genes and an avermectin ~~glycosidation~~ glycosylation and an oleandrose biosynthesis genes aveBI-BVIII of Streptomyces avermitilis.--

Page 23, please amend the paragraph beginning on line 17 as follows:

-- Obtaining avermectin ~~glycosidation~~ glycosylation genes aveBI-BVIII derived from Streptomyces avermitilis

A DNA fragment, 11041 bp, described in SEQ ID NO:6, i.e. pUC19::aveBI-BVIII ligated with DNA containing total aveBI-BVIII, was digested with restriction enzymes XbaI and HindIII, and the DNA fragment containing total aveBI-BVIII was electrophoresed with low melting point agarose gel.--

Page 24, please amend the paragraph beginning on line 18 as follows:

--Introduction of avermectin ~~glycosidation~~ glycosylation and oleandrose biosynthesis genes aveBI-BVIII derived from Streptomyces avermitilis into Streptomyces cyaneogriseus subsp. noncyanogenus Δ nemA4::vph attB_{T01}::aveA4-aveA3-aveE attB_{C31}::aver--

Page 31, please amend the paragraph beginning on line 27 as follows:

--As described hereinabove, the present invention relates to the invention comprising introducing DNA of the nemadectin analogous compound producing microorganism into the nemadectin producing microorganism belonging to genus Streptomyces, producing and accumulating C-13 hydroxyl nemadectin and C-13 glycosylnemadectin, and collecting the same. The stereoselectively ~~glycosidated~~ glycosylated nemadectin derivatives can be effectively obtained by preparing C-13 glycosylnemadectin by means of molecular genetic technology.

Improvements in biological activities such as anti-insects and anti-parasites can be expected.--